

DIVISION

MATHEMATICS | CLASS - 2

* Word problems

*Division is repeated subtraction

- There are four terms of division.
- _Divisor ,dividend, quotient,remainder.
- _For example- 9÷4 =2



*Properties of division.



- *Let Us Revise
- -Let us revise the concept of division , with help of some examples.
- Division helps us to form groups equally.
- -Division is also repeated subtraction.

1.	A bask	et has 1	8 apples w	hich are to	be shar	ed equally	among
	1 8 - 3	←①	any apples				
	- 3	←2		C C	22023		
	- 3	←3		00.00 00	TRACE	5	
		←④	65	17757257	58877	2	
	- 3	←(5)		1111	ST. A.	and the stand	
	- 3	€	Each	n child will ge	ət 📃	apples.	
2.	Surbhi y among will eac	wishes to s her 5 frier h friend ge	share 15 pen nds. How ma et ?	cils equally any pencils			
5	R	2		另	 名	5	
E	veryone	has	penci	Is.			
V	Ve write	$15 \div 5 = _{-}$					
3.	Put 10 nest ?	birds equa	ally in 2 nes	ts. How ma	ny birds w	vill be there	in each
	~						22
-					0		
	200			Nest 1 :	birds.	Nest 2 : _	birds.





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Long Division Method

Method :	
Step 1 : Start with the extreme left digit. Divide the tens b 9 tens \div 3 = 3 tens. (3 × 3 = 9) Write 3 above 9 <i>i.e.</i> in the tens' place and subt the product from the tens digit. 9 = (3 × 3) = 9 = 9 = 0	y 3. tract
Step 2: Write the difference and copy the ones digit 6 be ones' place.	wole
Step 3 : Divide the ones by 3. 6 ones \div 3 = 2 ones. (3 × 2 = 6)	
Write 2 above 6 <i>i.e.</i> in the ones' place and subt the product from the ones digit.	ract
	 Method : Step 1 : Start with the extreme left digit. Divide the tens b 9 tens ÷ 3 = 3 tens. (3 × 3 = 9) Write 3 above 9 <i>i.e.</i> in the tens' place and subt the product from the tens digit. 9 - (3 × 3) = 9 - 9 = 0 Step 2 : Write the difference and copy the ones digit 6 be ones' place. Step 3 : Divide the ones by 3. 6 ones ÷ 3 = 2 ones. (3 × 2 = 6) Write 2 above 6 <i>i.e.</i> in the ones' place and subt the product from the ones digit.

Many a times, we find that a number is not completely divsible. Let us study one such example.

Example 2	Method :
	Step 1 : Divide the tens by 4.
Divide 89 by 4.	$4 \times 2 = 8$, <i>i.e.</i> 8 tens $\div 4 = 2$ tens
4)89(Write 2 above 8 <i>i.e.</i> in the tens' place and subtract the product from the tens digit. 8 - $(4 \times 2) = 8 - 8 = 0$
$\frac{-8}{9}$	Step 2 : Write the difference and copy the ones digit below ones' place.
- 8	Step 3 : Divide the ones by 4.
1 ← Remainder	Now, $4 \times 2 = 8$ and $4 \times 3 = 12$
	Since, $12 > 9$, we take $4 \times 2 = 8$
Remainder	9 ones ÷ 4 = 2 ones
indicates that the dividend is not	Write 2 above 9 <i>i.e.</i> in the ones' place and subtract the product from the ones digit.
completely divisible	$9 - (4 \times 2) = 9 - 8 = 1$
by the divisor.	Here, 1 is called the remainder.
	Ans. 22

At the end of the sum, if any number remains as remainder than the dividend is not completely divisible by the divisor.



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For example:-		À		
ord Proble	ems			
Example 1	The many biscuits are to be distributed equally among 9 children. How many biscuits will each child get ?			
Solution :	Number of biscuits = 36 Number of children = 9 ∴ Each child will get 36 ÷ 9 = 4 Ans. Each child gets 4 biscuits	9) <u>36 (</u> <u>-36</u> <u>0</u>		
Example 2	74 pencils are to be packed equally pencils will be packed in the boxes left over ?	in 9 packets. How many ? How many pencils are		
Solution :	Number of pencils = 74 Number of packets = 9 Number of pencils in each box = 74 Number of pencils left out = 2	$4 \qquad 9)74($ -72 2		
	Ans. Each packet will contain 8 pend	cils and 2 pencils are left		

